

DECLARATION

AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: RANDOM ACCESS MEMORY HAVING AN ADAPTABLE LATENCY

the specification of which is attac	hed hereto or indicates as	n attorney docket no. <u>YOR920030067US1</u> , o	r:	• .
was filed in the U.S. Patent &	Frademark Office on Sep	tember 17, 2003 and assigned Serial No. 10/66	54,789,	
☐ and (if applicable) was amended		·		
as amended by any amendment re- and to the examination of this app priority benefits under Title 35, U or §365(a) of any PCT internations	ferred to above. I acknow lication in accordance w .S. Code §119(a)-(d) or § al application which design on (s), listed below and harmonic states and harmonic states are selected.	the contents of the above-identified specificativeledge the duty to disclose information which is ith Title 37, Code of Federal Regulations §1.56 (365(b) of any foreign application(s) for patent gnated at least one country other than the United two also identified below any foreign application on which priority is claimed:	s material to pate 6. I hereby clain or inventor's co l States, or §119	entability n foreigr ertificate (e) of any
		··	Priority C	<u>laimed</u> :
(Application Number)	(Country)	(D-/M4/N61-A	Yes []	No[]
(Application Number)	(Country)	(Day/Month/Year filed)		
			Yes []	No[]
(Application Number)	(Country)	(Day/Month/Year filed)		
International application designati application is not disclosed in the paragraph of Title 35, U.S. Code {	ng the United States, list e prior United States or 112, I acknowledge the 1.56 which became avail	ode §120, of any United States application(s), ed below and, insofar as the subject matter of PCT International applications(s) in the manufacture to disclose information material to patental able between the filing date of the prior applications.	each of the clair ner provided by ability as define	ns of this the first d in Title
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandone	rd)	-
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandone	ed)	 -

I hereby appoint the following attorneys: RICHARD M. LUDWIN, Reg. No. 33,010; KEVIN M. JORDAN, Reg. No. 40,277; CHRISTOPHER A. HUGHES, Reg. No. 26,914; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, JR., Reg. No. 18,753; DOUGLAS W. CAMERON, Reg. No. 31,596; WAN YEE CHEUNG, Reg. No. 42,410; THU ANN DANG, Reg. No. 41,544; LOUIS P. HERZBERG, Reg. No. 41,500; DEREK S. JENNINGS, Reg. No. 31,473; STEPHEN C. KAUFMAN, Reg. No. 29,551; ALISON D. MORTINGER, Reg. No. 39,306; DANIEL P. MORRIS, Reg. No. 32,053; LOUIS J. PERCELLO, Reg. No. 33,206; ROBERT M. TREPP, Reg. No. 25,933; GAIL H. ZARICK, Reg. No. 43,303; and RAFAEL PEREZ-PINEIRO, Reg. No. 46,041; and each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Wayne L. Ellenbogen RYAN, MASON & LEWIS, LLP 90 Forest Avenue Locust Valley, NY 11560 Tel.: (516) 759-7662 I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE	INVENTOR: François Ibrahim Atallah	Citizenship <u>U.S.A.</u>
Inventor's signature: François	Ibrahim Atallah	Date:10/14/03
Residence & Post Office address:	11309 Windwitty Court	
•	Raleigh, NC 27614	· .
		. · · · · · · · · · · · · · · · · · · ·
FULL NAME OF SECOND JOINT	INVENTOR:James Norris Dieffenderfer	Citizenship U.S.A.
0	$\Omega = \Omega - II + I$	1 1
Inventor's signature:		Date: 10/14/03
Residence & Post Office address:	4000 Inkberry Court Apex, NC 27539-8868	
FULL NAME OF THIRD JOINT IN	IVENTOR: Jeffrev H. Fischer	Citizenship U.S.A.
		•
Inventor's signature:	rey H. Fischer	Date: <u>/0/14/03</u>
Residence & Post Office address	203 Connors Circle Cary, NC 27511	,
FULL NAME OF FOURTH JOINT	INVENTOR: Michael Thomas Fragano	Citizenship U.S.A.
Inventor's signature:	•	Date:
Residence & Post Office address:	3 Beech Street Essex Junction, VT 05452	
FULL NAME OF FIFTH JOINT INV	VENTOR: Daniel Stephen Geise	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	125 Kennedy Drive, Apt. 2	Date:
	South Burlington, VT 05403	

FULL NAME OF SIXTH JOINT INVENTOR:Jeffery Howard Oppold		Citizenship	U.S.A.
Inventor's signature:		Date:	:
Residence & Post Office address:			
FULL NAME OF SEVENTH JOIN	Γ INVENTOR: <u>Michael R. Ouellette</u>	Citizenship	U.S.A.
Inventor's signature:		Date:	
Residence & Post Office address:	1151 Old Stage Road Westford, VT 05494		
		•	•.
FULL NAME OF EIGHTH JOINT I	NVENTOR: Neelesh Govindaraya Pai	Citizenship	India
Inventor's signature:		Date:	
Residence & Post Office address:	22 Chelsea Place Williston, VT 05495	· · · · · · · · · · · · · · · · · · ·	
٠.		· -	
FULL NAME OF NINTH JOINT IN	IVENTOR: William Robert Reohr	Citizenship	U.S.A.
Inventor's signature:	·	Date:	
Residence & Post Office address:	111 Eleven Levels Road Ridgefield, CT 06877		
	·		•
•	·	•	
FULL NAME OF TENTH JOINT IN	IVENTOR: Joel Abraham Silberman	Citizenship	U.S.A.
Inventor's signature:		Date:	
Residence & Post Office address:	32 Londonderry Lane Somers, NY 10589		
•			
FULL NAME OF ELEVENTH JOIN	IT INVENTOR: Thomas Philip Speier	Citizenship	U.S.A.
nventor's signature:	flos Si	Date:/3/.	14/03
Residence & Post Office address:	112 Arbor Wynds Court Holly Springs, NC 27540		



DECLARATION

VENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: RANDOM ACCESS MEMORY HAVING AN ADAPTABLE LATENCY

the specification of which is attac	hed hereto or indicates as	attorney docket no. YOR920030067US1, or:	•
⊠ was filed in the U.S. Patent &	Frademark Office on <u>Sep</u>	tember 17, 2003 and assigned Serial No. 10/664,789,	
\square and (if applicable) was amended		•	
as amended by any amendment re- and to the examination of this app priority benefits under Title 35, U or §365(a) of any PCT internations	ferred to above. I acknow lication in accordance w .S. Code §119(a)-(d) or § al application which design on(s), listed below and ha		patentability laim foreign s certificate 19(e) of any or inventor'
		<u>Priorit</u> Yes [y Claimed:
(Application Number)	· (Country)	(Day/Month/Year filed)] No[]
	•	Yes [] No[]
(Application Number)	(Countrý)	(Day/Month/Year filed)	, ,
International application designati application is not disclosed in the paragraph of Title 35, U.S. Code §	ng the United States, list e prior United States or 112, I acknowledge the 1.56 which became avail	ode §120, of any United States application(s), or §365(c), ed below and, insofar as the subject matter of each of the clerch International applications(s) in the manner provided duty to disclose information material to patentability as defiable between the filing date of the prior application and the	laims of this by the firs ined in Title
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)	·
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)	

I hereby appoint the following attorneys: RICHARD M. LUDWIN, Reg. No. 33,010; KEVIN M. JORDAN, Reg. No. 40,277; CHRISTOPHER A. HUGHES, Reg. No. 26,914; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, JR., Reg. No. 18,753; DOUGLAS W. CAMERON, Reg. No. 31,596; WAN YEE CHEUNG, Reg. No. 42,410; THU ANN DANG, Reg. No. 41,544; LOUIS P. HERZBERG, Reg. No. 41,500; DEREK S. JENNINGS, Reg. No. 31,473; STEPHEN C. KAUFMAN, Reg. No. 29,551; ALISON D. MORTINGER, Reg. No. 39,306; DANIEL P. MORRIS, Reg. No. 32,053; LOUIS J. PERCELLO, Reg. No. 33,206; ROBERT M. TREPP, Reg. No. 25,933; GAIL H. ZARICK, Reg. No. 43,303; and RAFAEL PEREZ-PINEIRO, Reg. No. 46,041; and each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

> Wayne L. Ellenbogen RYAN, MASON & LEWIS, LLP 90 Forest Avenue Locust Valley, NY 11560

Tel.: (516) 759-7662

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE	INVENTOR: François Ibrahim Atallah	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	11309 Windwitty Court Raleigh, NC 27614	
FULL NAME OF SECOND JOINT	INVENTOR: James Norris Dieffenderfer	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	4000 Inkberry Court Apex, NC 27539-8868	
FULL NAME OF THIRD JOINT IN	VENTOR: Jeffrey H. Fischer	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	203 Connors Circle Cary, NC 27511	
FULL NAME OF FOURTH JOINT	INVENTOR: Michael Thomas Fragano	Citizenship U.S.A.
Inventor's signature:	17 Ango	Date: Oct 03, 2003
Residence & Post Office address:	3 Beech Street Essex Junction, VT 05452	· · · · · · · · · · · · · · · · · · ·
FULL NAME OF FIFTH JOINT INV	VENTOR: Daniel Stephen Geise	Citizenship <u>U.S.A.</u>
Inventor's signature:	S. This	Date: Oct. 3, 2003
Residence & Post Office address:	125 Kennedy Drive, Apt. 2 South Burlington, VT 05403	

FULL NAME OF SIXTH JOINT IN	VENTOR:Jeffery Howard Oppold	Citizenship <u>U.S.A.</u>
Januarian's signature:	Shell Dood	Date: Oct 6, 2003
Inventor's signature: Residence & Post Office address:	M Westaw Extension	Date:
Residence & Fost Office address,	Richmond, VT 05477	
		•
	INVENTOR: Michael R. Ouellette	Citizenship U.S.A.
Inventor's signature:	1 (C)	Date: Oct 3, 2003
Residence & Post Office address:	1151 Old Stage Road	paid
	Westford, VT 05494	
•	•	•
•		
FULL NAME OF EIGHTH JOINT II	NVENTOR: Neelesh Govindaraya Pai	Citizenship India
	who ~	•
Inventor's signature:	Nulvation	Date: <u>Oct 31 2003</u>
Residence & Post Office address:	22 Chelsea Place	
	Williston, VT 05495	•
	·	
•		
FULL NAME OF NINTH JOINT IN	VENTOR: William Robert Reohr	Citizenship U.S.A.
Inventor's signature: Residence & Post Office address:	. 111 Eleven Levels Road	Date:
Residence & Fost Office address.	Ridgefield, CT 06877	
FILL NAME OF TENTH LOINT IN	VENTOR: _ Joel Abraham Silberman	Citizenship U.S.A.
TOLE WANTE OF TENTIFICATION	VENTOR. JOST Abraham Shoetman	Citizensinp
Inventor's signature:		Date:
Residence & Post Office address:	32 Londonderry Lane	
	Somers, NY 10589	
·		
		•
FULL NAME OF ELEVENTH JOIN	T INVENTOR: Thomas Philip Speier	Citizenship U.S.A.
	·	Date
Inventor's signature:	112 Arbor Wynds Court	Date:
Residence & 1 ost Office audiess.	Holly Springs, NC 27540	



AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

the specification of which is attached hereto or indicates an attorney docket no. YOR920030067US1, or:

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: RANDOM ACCESS MEMORY HAVING AN ADAPTABLE LATENCY

rademark Office on Sept	tember 17, 2003 and assigned Serial No. 10/664	1,789 ,
d on		
erred to above. I acknow ication in accordance wi S. Code §119(a)-(d) or § I application which design on (s), listed below and ha	ledge the duty to disclose information which is th Title 37, Code of Federal Regulations §1.56 365(b) of any foreign application(s) for patent mated at least one country other than the United we also identified below any foreign application	material to patentability. I hereby claim foreigr or inventor's certificate States, or §119(e) of any
		Priority Claimed:
(Country)	(Day/Month/Year filed)	Yes [] No[]
		Yes[] No[]
(Country)	(Day/Month/Year filed)	
ng the United States, listor prior United States or 1 112, I acknowledge the c 1.56 which became avail	ed below and, insofar as the subject matter of e PCT International applications(s) in the manneluty to disclose information material to patental	ach of the claims of this er provided by the firs bility as defined in Title
(Filing Date)	(STATUS: patented, pending, abandoned	<i>d</i>)
(Filing Date)	(STATUS: patented, pending, abandoned	<i>d</i>)
	eviewed and understand erred to above. I acknow lication in accordance wis S. Code §119(a)-(d) or §1 application which design on (s), listed below and habore that of the application (Country) (Country) (Country) under Title 35, U.S. Cong the United States, lister prior United States or 112, I acknowledge the collist application: (Filing Date)	eviewed and understand the contents of the above-identified specification erred to above. I acknowledge the duty to disclose information which is lication in accordance with Title 37, Code of Federal Regulations §1.56 S. Code §119(a)-(d) or §365(b) of any foreign application(s) for patent application which designated at least one country other than the United on(s), listed below and have also identified below any foreign application one that of the application on which priority is claimed: (Country) (Day/Month/Year filed) (Country) (Day/Month/Year filed) under Title 35, U.S. Code §120, of any United States application(s), and the United States, listed below and, insofar as the subject matter of exprior United States or PCT International applications(s) in the mann 112, I acknowledge the duty to disclose information material to patenta 1.56 which became available between the filing date of the prior applications application: (Filing Date) (STATUS: patented, pending, abandoned)

I hereby appoint the following attorneys: RICHARD M. LUDWIN, Reg. No. 33,010; KEVIN M. JORDAN, Reg. No. 40,277; CHRISTOPHER A. HUGHES, Reg. No. 26,914; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, JR., Reg. No. 18,753; DOUGLAS W. CAMERON, Reg. No. 31,596; WAN YEE CHEUNG, Reg. No. 42,410; THU ANN DANG, Reg. No. 41,544; LOUIS P. HERZBERG, Reg. No. 41,500; DEREK S. JENNINGS, Reg. No. 31,473; STEPHEN C. KAUFMAN, Reg. No. 29,551; ALISON D. MORTINGER, Reg. No. 39,306; DANIEL P. MORRIS, Reg. No. 32,053; LOUIS J. PERCELLO, Reg. No. 33,206; ROBERT M. TREPP, Reg. No. 25,933; GAIL H. ZARICK, Reg. No. 43,303; and RAFAEL PEREZ-PINEIRO, Reg. No. 46,041; and each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Wayne L. Ellenbogen RYAN, MASON & LEWIS, LLP 90 Forest Avenue Locust Valley, NY 11560 Tel.: (516) 759-7662 I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: François Ibrahim Atallah		Citizenship	U.S.A.
Inventor's signature:	Date:		
	& Post Office address: 11309 Windwitty Court Raleigh, NC 27614		
FULL NAME OF SECOND JOINT	INVENTOR: James Norris Dieffenderfer	Citizenship	U.S.A.
Inventor's signature:		Date:	· .
Residence & Post Office address:			
FULL NAME OF THIRD JOINT IN	VENTOR: Jeffrey H. Fischer	Citizenship <u>'</u>	U.S.A.
Inventor's signature:		Date:	:
Residence & Post Office address:	203 Connors Circle Cary, NC 27511		
•			
FULL NAME OF FOURTH JOINT INVENTOR: Michael Thomas Fragano		Citizenship	U.S.A.
Inventor's signature:	·	Date:	
Residence & Post Office address:	3 Beech Street Essex Junction, VT 05452	· · ·	
			•
FULL NAME OF FIFTH JOINT IN	VENTOR: <u>Daniel Stephen Geise</u>	Citizenship	U.S.A.
Inventor's signature:		Date:	
Residence & Post Office address:	125 Kennedy Drive, Apt. 2 South Burlington, VT 05403		

Attorney Docket No. YOR920030067US1

FULL NAME OF SIXTH JOINT IN	VENTOR: <u>Jeffery Howard Oppold</u>	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	66 Westall Extension Richmond, VT 05477	
FULL NAME OF SEVENTH JOINT	INVENTOR: Michael R. Ouellette	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	1151 Old Stage Road Westford, VT 05494	
FULL NAME OF EIGHTH JOINT I	NVENTOR: Neelesh Govindaraya Pai	Citizenship India
Inventor's signature:		Date:
Residence & Post Office address:	22 Chelsea Place Williston, VT 05495	
FULL NAME OF NINTH JOINT IN Inventor's signature: Residence & Post Office address:	IVENTOR:William Robert Reohr 111 E)even Levels Road Ridgefield, CT 06877	Citizenship <u>U.S.A.</u> Date: October 6, 2003
	VVENTOR: Joel Abraham Silberman	Citizenship <u>U.S.A.</u>
Inventor's signature: <u>ff oct f</u> Residence & Post Office address:	32 Londonderry Lane Somers, NY 10589	Date:
FULL NAME OF ELEVENTH JOIN	IT INVENTOR: Thomas Philip Speier	Citizenship U.S.A.
Inventor's signature:		Date:
Residence & Post Office address:	112 Arbor Wynds Court Holly Springs, NC 27540	